



**To:** Distribution

**From:** Ernestine Bryant, STOrage and RETrieval (STORET), Technical Project Leader (TPL), Systems Development Center (SDC)/Science Applications International Corporation (SAIC)

**Subject:** Minutes of STORET Technical Status Meeting

## 1.0 Purpose

A Meeting was held on December 16, 2003 at the SDC. The purpose of the meeting was to review and address the status of the STORET Project activities and resolve project technical issues.

## 2.0 Attendees

### SDC

Ernestine Bryant  
Joseph Wilson  
Stephen Smith

### EPA

Robert King, Task Order Project Officer (TOPO)  
Lee Manning, Alternate TOPO (ATOPO)  
Kevin Christian

## 3.0 Discussion Topics

The following sections detail the discussions of the project tasks and associated Software Incident Reports (SIRs).

### 3.1 General

E. Bryant stated that the current period of performance for the Task Order will end December 31, 2003. It is anticipated that the period of performance will be extended to March 31, 2004. All *major* software deliverables have been delivered and the current highest priority issues remaining are as follows:

- C Develop mechanism to transfer preference and default data from one Organization to another.

- C Develop a STORET v2.0 installation package compatible with Oracle 9i and Oracle 10g.
- C Establish Universal Result Units (URUs) and conversion factors for STORET units of measure.
- C Fully document current STORET production applications (.i.e., Web Registration, STORET Data Entry & Reporting System, STORET views, STORET Data Warehouse).

### 3.2 Central Warehouse

The Central Warehouse portion of the meeting began with a brief discussion of the technical architecture employed by the 2.0.1 release of the application. Special attention was given to how Java and Procedural Language/Structured Query Language (PL/SQL) stored procedures interface in an Oracle application, and the Java permissions required for deploying file compression functionality.

The Central Warehouse installation process was reviewed and the following decisions made:

- C Future versions of the Central Warehouse will include Oracle connect strings in the installation instructions script rather than in the individual procedures and sub-scripts. This will simplify the installation by limiting the number of files that need to be updated for current user IDs and passwords.
- C Future versions of the Central Warehouse installation package will not assume that the STORETW schema is dropped and replaced each time the application is installed at Research Triangle Park (RTP).
- C A high-level application flow will be produced to summarize the interactions between the components that comprise the Central Warehouse web interface. A draft design of the format for this application flow will be presented at the next CCB.

Geographic location based Result retrieval was discussed and the following decisions made:

- C A new column named FK\_STN\_ACT\_PT will be added to the Result fact tables in the Central Warehouse.
- C FK\_STN\_ACT\_PT will contain the primary key of the Station Location Point from the FA\_STATION table. If no Station Location Point exists, the Station Point of Record (POR) will be used.

The following decisions were made regarding URUs:

- C International measures (e.g., feet, miles) will be used rather than Survey/United States Statute measures.
- C The 1/10 quadrillionth place (i.e., 16 places to the right of a decimal) and the 1 quadrillionth place (i.e., 15 places to the left of the decimal) will be the maximum for holding conversion factors.
- C There will be no conversion for units Drips and Drops.

### **3.3 STORET/Windows to My Environment (WME) Interaction**

The number of Stations that may be viewed on the Windows to My Environment (WME) map will be expanded to 2000.

### **4.0 Action Item Summary**

Number	Description	Date Issued	Status	Assignment	Date Completed
04-0001	Establish proposed schedule of deliverables not to exceed November 28, 2003.	10/09/2003	Closed	E. Bryant	10/29/2003

### **5.0 Next Meeting**

The next meeting was not scheduled.